

INCH-POUND

MIL-E-1/1165E  
AMENDMENT 2  
21 November 2002  
SUPERSEDING  
AMENDMENT 1  
19 March 1982

MILITARY SPECIFICATION SHEET

ELECTRON TUBE, RECEIVING  
TYPE 6948

This amendment forms a part of MIL-E-1/1165E dated 15 June 1981, and is approved for use by all Departments and Agencies of the Department of Defense.

PAGE 1

Preamble: delete "MIL-E-1" and substitute "MIL-PRF-1". Delete last two lines and substitute:

"AMSC N/A 1 of 4 FSC 5960  
DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited."

PAGE 2, 3 and 4

Delete: "Quality conformance inspection" and substitute "Conformance inspection" (5 places). Delete: "AQL (Percent Defective)" and substitute "Acceptance level (see note 17)" (2 places). Delete entire column "Inspection level or code".

PAGE 2

Conformance inspection, part 1, Method 1256, Electrode current (2) (anode), Max limits column: Delete "30" and substitute "50". Conformance inspection, part 2, Method 1266, Grid emission, Unit column: "Adc" and substitute " $\mu$ Adc". Conformance inspection, part 2, Method 1256, Electrode current (1) (anode) (anode operation time): Delete in its entirety and substitute the following:

Method	Requirements or test	Notes	Conditions	Acceptance level (see note 17)	Symbol	Limits		Unit
						Min	Max	
---	Operation time	3, 15		6.5	t	---	20	sec

PAGE 3

Conformance inspection, part 3, Method 1506, Heater-cycling life (1), conditions column: Add "Acceptance level 2.5 %". Conformance inspection, part 3, Method 1506, Heater-cycling life (2), conditions column: Add "Acceptance level 10.0 %".

PAGE 4

Conformance inspection, part 3, Method 1501, Intermittent life, Notes column: Delete "12" and substitute "12, 16". Also, Conditions column: Delete "TA = room" and "Group E".

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NOTES, add the following notes:

“15. Insert a cold tube into the test socket having all electrode current (1) (anode) conditions applied and record Ib continuously for 3 minutes. Ib shall reach 85 percent of the 3 minutes figure within the time indicated.

16. The life-test sample shall consist of 20 tubes per lot and not one tube failure shall be permitted. In the event of rejection of the first sample, a second sample of 40 tubes shall be selected from the lot. Acceptance shall then be based on the second samples and there shall be zero tube failures.

17. This specification sheet utilizes an accept on zero defect sampling plan in accordance with MIL-PRF-1, table III.”

In note 11: Delete the last sentence entirely.

Change concluding material consistent with the following:

Custodians:

Army - CR

Navy - EC

Air Force - 11

DLA - CC

Preparing activity:

DLA - CC

(Project No. 5960-3615)

Review activities:

Navy - AS, CG, MC, OS, SH

Air Force - 99